ATTACHMENT E-2. INTERIM RECEIVING WATER MONITORING REQUIREMENTS

VIII. RECEIVING WATER MONITORING REQUIREMENTS – Surface Water

A. Monitoring Locations (Upstream)

1. The Discharger shall monitor Mark West Creek at Monitoring Location RSW-001, identified in Table E-7 below, as follows in Table E-5.

Table E-5. Receiving Water Monitoring Requirements for Monitoring Location RSW-001

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
BOD (20° C, 5-day)	mg/L	grab	Weekly	Standard Methods
Total Suspended Solids	mg/L	grab	Weekly	Standard Methods
Hydrogen Ion	pH units	grab	Weekly	Standard Methods
Dissolved Oxygen	mg/L	grab	Weekly	Standard Methods
Temperature			Weekly	Standard Methods
Ammonia Nitrogen	mg/L	grab	Monthly	Standard Methods
Unionized Ammonia	mg/L	---	Monthly	calculation
Nitrate Nitrogen	mg/L	grab	Monthly	Standard Methods
Organic Nitrogen	mg/L	grab	Monthly	Standard Methods
Total Phosphorus	mg/L	grab	Monthly	Standard Methods
Priority Pollutants [7]	µg/L	grab	1x / year	40 CFR 136
Hardness ($CaCO_3$)	mg/L	grab	Concurrent with Priority Pollutant Sampling	Standard Methods

B. Monitoring Locations (Downstream)

1. The Discharger shall monitor downstream receiving waters, when discharging to surface waters, at Monitoring Locations RSW-003 when the creek flow is contained in its banks, and at RSW-004 during high creek flow, as follows in Table E-6. Monitoring locations are identified in Table E-7 below.

Table E-6. Receiving Water Monitoring Requirements for Monitoring Location RSW-002

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
BOD (20° C, 5-day)	mg/L	grab	Weekly	Standard Methods
Total Suspended Solids	mg/L	grab	Weekly	Standard Methods

Hydrogen Ion	pH units	grab	Weekly	Standard Methods
Dissolved Oxygen	mg/L	grab	Weekly	Standard Methods
Temperature			Weekly	Standard Methods
Ammonia Nitrogen	mg/L	grab	Monthly	Standard Methods
Unionized Ammonia	mg/L	---	Monthly	calculation
Nitrate Nitrogen	mg/L	grab	Monthly	Standard Methods
Organic Nitrogen	mg/L	grab	Monthly	Standard Methods
Total Phosphorus	mg/L	grab	Monthly	Standard Methods
Hardness	mg/L	grab	Monthly	Standard Methods

Table E-7. Summary of Discharge Points and Monitoring Station Locations

Discharge Point Name	Monitoring Location Name	Monitoring Location Description (include Latitude and Longitude when available)
--	INF-001	Untreated wastewater influent collected at the plant headworks, at a representative point preceding primary treatment
---	INT-001	Influent to Tertiary Filters
---	INT-002	Tertiary Filter Effluent prior to UV disinfection unit
001	EFF-001	Treated, disinfected wastewater immediately following UV disinfection process before discharge to storage
002	EFF-002	Treated, disinfected wastewater after storage pond, but before effluent contacts receiving water (Control Valve)
---	RSW-001	Mark West Creek surface water upstream beyond influence of the discharge
---	RSW-002	Mark West Creek surface water at the point of discharge or other location approved by the Executive Officer
---	RSW-003	Mark West Creek surface water, north bank, approximately 800 feet downstream of discharge point
---	RSW-003	Mark West Creek surface water at the Wohler Road Bridge over Mark West Creek, approximately 2 miles downstream of discharge point
003A	REC-003A	Treated, UV disinfected tertiary effluent delivered to reclamation system
003B	REC-003B	Treated, UV and chlorine disinfected tertiary effluent delivered to Windsor High School

INF- Influent; INT- Internal; EFF- Effluent; RSW- Receiving Surface Water; REC- Reclamation